

# MARC CHEN

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## TECHNICAL SKILLS

**Certifications** Google Professional Data Engineer, HSK 4, Linguaskill

**Methodologies** Agile, Peer Reviewing

**Languages** C, C++, Python, SQL, MATLAB, LATEX, Dart, Terraform, Linux, Appscript

**Google Cloud** Cloud Run, Cloud Scheduler, App Engine, BigQuery, Cloud Storage, Composer

## LANGUAGES

French Native

English C1

Chinese B2+

Spanish B1

## RECENT EXPERIENCES

### Veolia Headquarters

2023 – Present

*2-Year Apprenticeship: Data Engineer @ DataFactory*

- Implementing ETL pipelines for data extraction, transformation, and loading.
- Developing SaaS solutions for data extraction from third-party applications.
- Using Terraform for cloud infrastructure automation and management.
- Monitoring data flows and setting up alert systems to ensure data quality and continuity.
- Documenting data management processes and creating guides to facilitate maintenance and scalability.

### Mobile App Developer - Vision Vendor

June 2024 – August 2024

*Google Development Contest*

<https://ai.google.dev/competition/projects/vision-vendor>

- Developed a mobile application using Flutter for the secondhand market.
- Created an efficient tool to make selling secondhand goods faster and easier.
- Collaborated with Fabien Houang on this project as part of the Google development contest.

### University of Oslo (UIO)

2022 – 3 months

*Research Internship*

- Geographic optimization for wind and solar projects using quadratic optimization methods.
- Developed a Python script for solving problems using a solver and displaying spatial optimization results.

## EDUCATION

### ENSTA Paris

2022 – 2025

*Engineering Degree - AI Pathway - Apprenticeship*

- Probabilistic Models and Machine Learning. (Télécom Paris)
- Natural Language Processing.
- Reinforcement Learning and Robotics.
- Deep Learning and GPGPU Programming.
- Computer Vision and AI Project Development. (Télécom Paris)

### Lycée Jean Baptiste Say

2020 – 2022

*Preparatory Classes - PTSI/PT\**

- Implemented algorithms in Python and SQL queries.
- Recipient of the Vallet Foundation Merit Scholarship.

### Lycée Saint-Nicolas

2018 – 2020

*Scientific Baccalaureate - Engineering Sciences Specialization, IT Option*

- Graduated with honors.
- Specialization in computer science and digital sciences.
- Developed backend in PHP for a puzzle video game using images.

## INTERESTS

### Sports

- **Badminton:** Participated in the 2023 University Championship (FFSU) – Reached quarter-finals at the X Cup.
- **Cycling:** Road trip over 600 km in Normandy.

### Miscellaneous

- **Video:** Created short films and promotional videos for non-profit organizations.
- **DIY:** Programmed a real-time bus schedule display using an API.